Water Quality and Discharge Parameters Assessment Form

Contract Number: _____

Resident Engineer: _____

Dewatering Location: _____

Origin of Water (circle): Groundwater Cofferdam/Diversion Accumulated Precipitation Other

Assessment Date: _____

WATER QUALITY ASSESSMENT

The following questions provide an initial assessment of the quality of the water to be discharged from the dewatering operation.		
Common Sense Test	1. Review the project records. Is there any reason to suspect that the water may be polluted by something other than sediment?	No Yes
	2. Is the water located in an area of known contamination?	No Yes
Sight Test	Does the water have an abnormal visual feature, such as: (circle) Oily Sheen Floating Foam Murky Appearance Unusual color Other	
Smell Test	Does the water have an odor? Possible odors include gasoline, petroleum, ammonia, sewage, etc.	No Yes
If you answered YES to any of the above questions, explain. *If you answered YES to any of the questions in the assessment or suspect that the water contains pollutants other than sediments, contact the Construction Storm Water Coordinator (CSWC) for assistance with additional testing and management options.*		

DISCHARGE PARAMETERS

To estimate water discharge parameters, answer the following questions and document the results below.		
Origin of Water	Is the discharge from (circle one): Groundwater Cofferdam/Diversion Accumulated Precipitation Other	
	Will the discharge be intermittent (associated with each rainstorm) or continuous (dewatering one area for a long period)? (circle)	Intermittent Continuous
Daily Flow Rate	Estimate the total quantity of water and proposed discharge rate for each daily discharge event (Q_d, gallons per day). This can be estimated from the pump discharge rate and the expected daily total of hours the pump will be run. Q_d, gpd = ____ gals/min pump rate X 60 mins/hr X ____ hrs discharge	Q_d = _____ gpd
Duration	What is the expected duration of the dewatering operation?	_____ days
Total Volume	What is the estimated total discharge for the life of the project (V_T)? To estimate the total discharge, multiply the daily flow rate (Q_d) by the estimated duration.	V_T = _____ Gallons
Comments:		